

# INSTRUCTIONAL FORM

Attachment B

## POST & BID POSITION ANNOUNCEMENT Bargaining Units 1, 4 and 11

1. Reference #: 10-2-185 2. Position Number: 910-390-3627 3. Date of Posting: 1-17-2012
4. Classification: Electrical Engineering Technician II 5. Salary Range: \$3922-\$4766
6. Pay Differentials That Apply To Position: N/A
7. Working Hours Of Position: M-F 0600-1430
8. District/Division: 910/390 Section: Electrical Systems/Traffic Census Geographic Location: Stockton/Modesto  
(If selected and the position requires a relocation, the Department will NOT provide relocation assistance.) **Determination for relocation will be made by Hiring Supervisor.**

9. **Specific Qualifications and Requisite Skills Required:** (Attach a separate sheet if additional space is needed.)

- A. Minimum Qualifications per the Classification Specifications (BU1 & 4 only) (Education and or Experience):  
*HR - Insert link to SPB Classification Specification*

B. Technical & Professional Skills & Abilities:

The incumbent will assist with conducting field investigations and data collection checks for the District Traffic Census Program. Duties include documenting operational deficiencies and integrating difficult Census equipment related to Traffic Monitoring Stations (TMS), Automatic Vehicle Classification (AVC) Stations, Vehicle Count Stations and other electrical/electronic devices.

The incumbent will inspect routine contractor and manufacturer installations of electrical and electronic Census equipment for operational compliance with State standard design requirements and specifications. This task will include checking complete design and contract drawings, shop drawings, and construction submittals for electrical and electronic work deployed on projects.

The incumbent will incorporate electrical and electronic details into general plans and occasionally work on drawings and designs other than electrical and electronic. The incumbent will secure information from catalogs and use state-of-the-art technology such as computers to access the internet to gather information to make routine engineering calculations and decisions. The incumbent will assist in developing procedures to test and implement innovative electrical equipment associated with Census-related communication and instrumentation systems.

Ability to use state-of-the-art technology such as traffic volume counters, wireless communication and laptop computers for routine traffic and electrical field element diagnostics.

Ability to work independently and prepare engineering calculations.

Ability to utilize traffic data management software, such as Trafman or Centurion to collect traffic volume data for the Transportation System Network (TSN).

- C. License and/or Certification Requirements: Valid California Drivers License, Class C.

D. Physical Abilities to Perform Essential Functions:

The incumbent will be required to sit for long periods of time using a keyboard and video display terminal.

The incumbent will be required to routinely install and review electronic traffic count devices near live traffic.

The incumbent must keep up with expedited requests for Traffic Data information.

The incumbent may be required to do vehicle traffic counts for long periods of time, requiring employee to sit or stand for long periods of time under extreme cold or hot weather.

The incumbent will be required to drive a State vehicle on field reviews.

Incumbent may need to lift and/or carry supplies weighing up to 40 pounds.

Bending, stooping, and kneeling may be required to work on electronic traffic count devices.

E. Other Departmental Requirements:

Incumbent may be required to travel, in one-day trips, and work outdoors. The incumbent may occasionally be exposed to a variety of inclement weather conditions (extreme cold or hot weather), and may be exposed to dirt, noise and uneven surfaces.

- F. Duty Statement/Description of Duties: *HR – Will insert link to duty statement document*

10. Final Date and Time for Receiving Bid: February 7, 2012 cob

11. Where to Obtain Bid Form: <http://www.dot.ca.gov/hq/jobs/postandbid/postandbidmain.htm>

11. Submit Bid to:

Name: April Ogo  
Address: 1976 E. Charter Way  
Telephone Number: 209-948-3727  
FAX Number: 209-948-7166  
E-mail Address: april\_ogo@dot.ca.gov

12. Window period employee must be available for contact (**Unit 1&4 Only**): From: \_\_\_\_\_ To: \_\_\_\_\_  
(If selected, you must report in no less than 14 calendar days unless agreed otherwise by current and hiring supervisor and start date must be within 30 calendar days.)

13. Expected Reporting Date To Position (**Unit 11 Only**): No later than February 17, 2012  
(If selected, you must report on the reporting date above unless agreed otherwise by current and hiring supervisor.)